

## EDWARDS AGAR BASE

A selective medium for the isolation and enumeration of streptococci especially *Streptococcus agalactiae*.

<b>Dehydrated media</b>	
Code number:	500 g: EDA20500, 5 kg: EDA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

**Direction:** Suspend **41 g** in 950 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **50 ml of sterile defibrinated sheep blood**. Mix well before pouring.

<b>Prepared media</b>	
Bottled media bases:	100 ml: EDA30100, 500 ml: EDA30500
Plated media:	55 mm: EDA50055, 90 mm: EDA50090
Colour of bottled media bases:	Purplish
Colour of plated media:	Ruby red
pH (25 °C):	7,3 – 7,5

**Direction:** Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA in g/l

Peptones	20,000
Sodium chloride	5,000
Esculin	1,000
Thallos acetate	0,300
Crystal violet	0,001
Agar	14,700

**Note:** The typical formula can be adjusted to obtain optimal performance.

**Storage conditions:** Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

#### Quality control:

<b>Test strains</b>	Incubation temp: 37 °C	<b>Growth</b>	Incubation time: 24 h
<i>Streptococcus agalactiae</i> ATCC 13813		Good, blue colonies	
<i>Escherichia coli</i> ATCC 25922		Inhibited	

**References:** Edwards (1933) J. Comp. Path. Therap. 46: 211.

**In vitro diagnostic – for professional use only!**